

## Patent Abstracts of Japan

PUBLICATION NUMBER : 08336247  
PUBLICATION DATE : 17-12-96

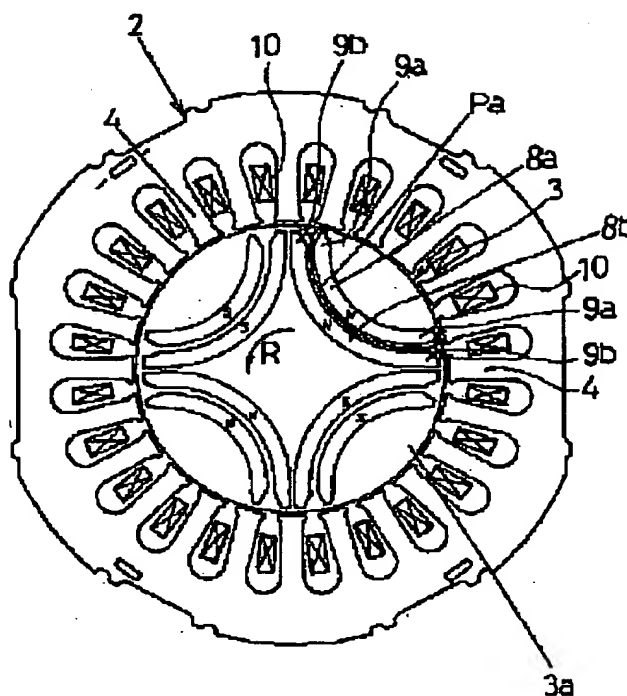
APPLICATION DATE : 07-06-95  
APPLICATION NUMBER : 07140802

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INVENTOR : SUMIYA NAOYUKI;

INT.CL. : H02K 1/27 H02K 1/22 H02K 15/03

TITLE : ROTOR WITH PERMANENT MAGNET



**ABSTRACT :** **PURPOSE:** To obtain a rotor with permanent magnet in which the reluctance torque can be utilized effectively regardless of the rotary position of the rotor.

**CONSTITUTION:** The rotor 3 comprises a rotor body 3a made of a material having high permeability buried with a plurality of permanent magnets 8a, 8b in the circumferential direction of the rotor. The permanent magnet 8a, 8b is buried perpendicularly to the rotor surface with the opposite end parts 9a, 9b being tapered at the position close to the rotor surface.

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